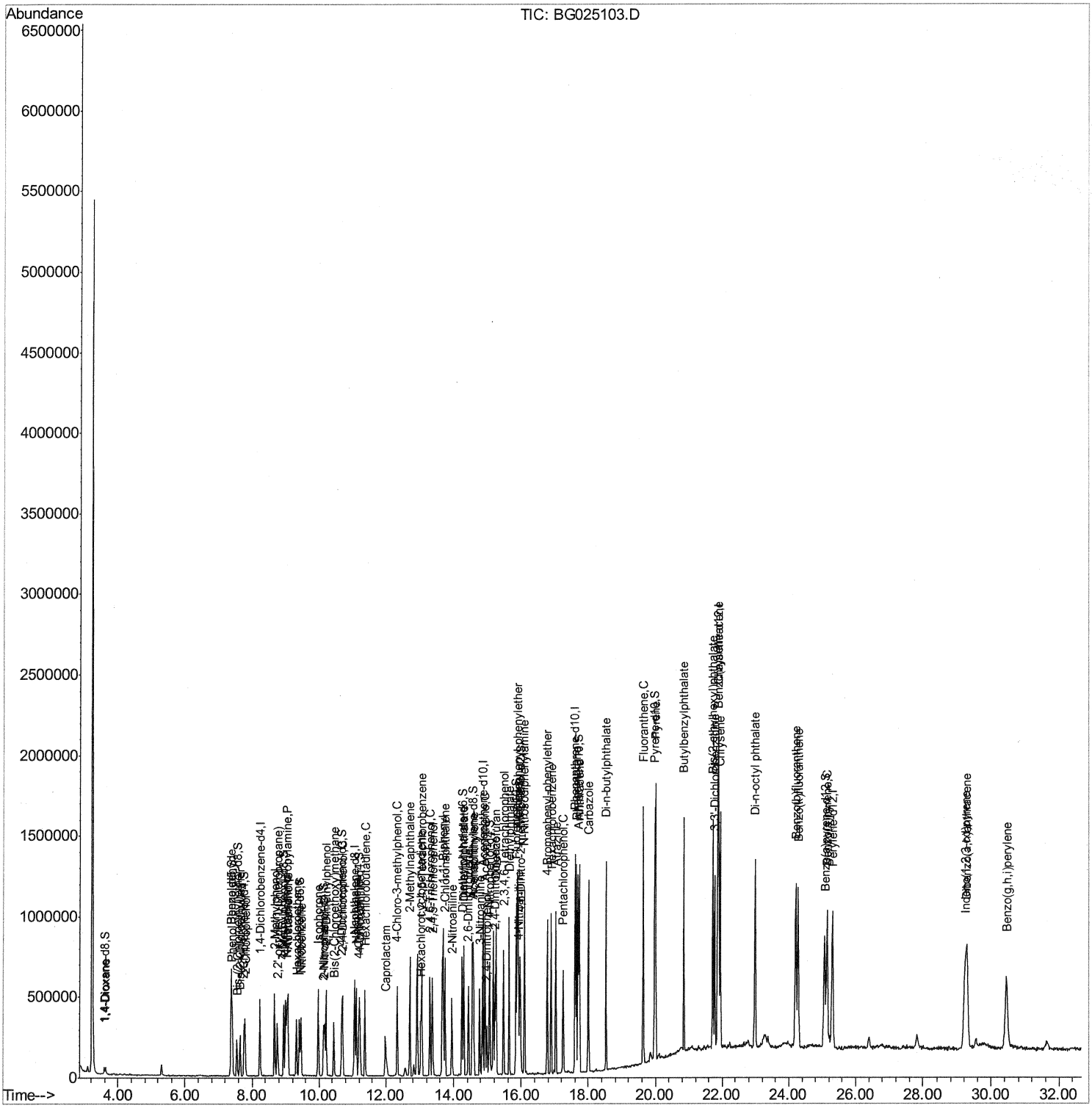
Data Path : Z:\HPCHEM1\BNA G\Data\BG121016\
Data File : BG025103.D
Acq On : 11 Dec 2016 14:13
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 12 08:16:39 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 12 06:35:19 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02029

Manual Integrations APPROVED
Sohil
12/12/2016 4:30:16 PM



Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\Data\BG121016\
Data File : BG025103.D
Acq On : 11 Dec 2016 14:13
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 12 06:41:23 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 12 06:35:19 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02029

Manual Integrations APPROVED
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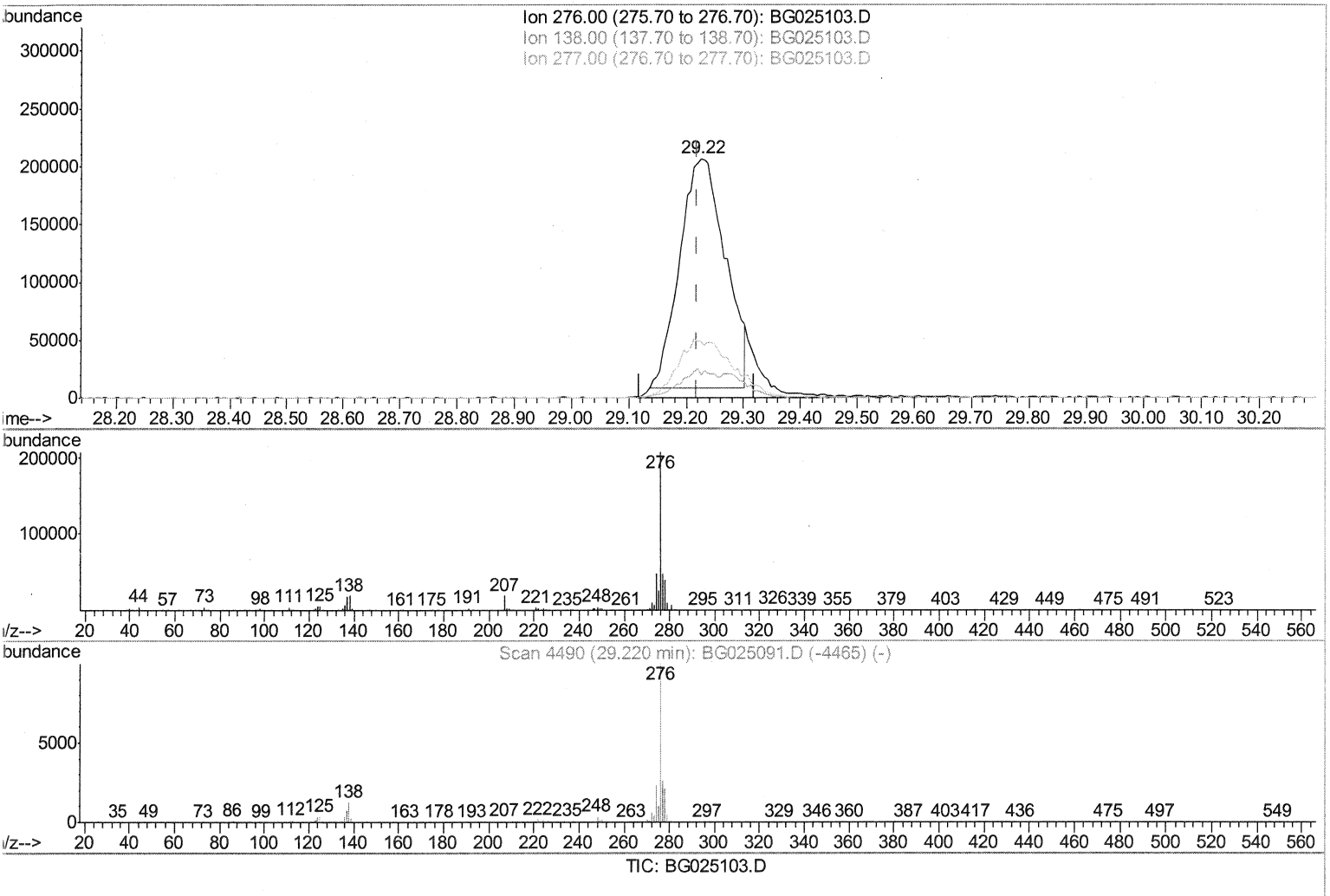


(89) Indeno(1,2,3-cd)pyrene

29.225min (+0.005) 17.55ng/ul

response 1088825

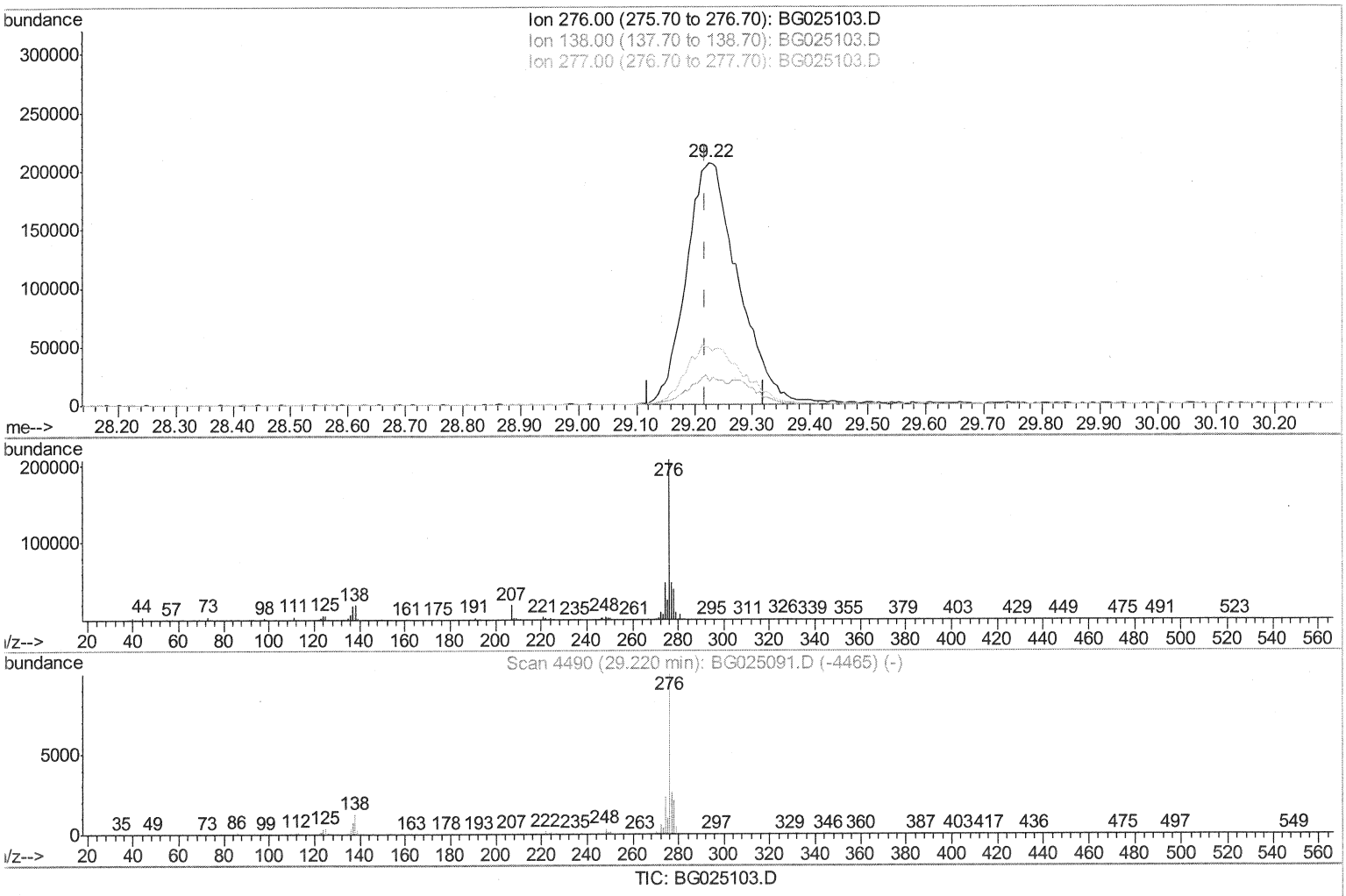
Ion	Exp%	Act%
276.00	100	100
138.00	10.30	9.64
277.00	23.30	23.55
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\Data\BG121016\
Data File : BG025103.D
Acq On : 11 Dec 2016 14:13
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 12 06:41:23 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 12 06:35:19 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02029

Manual Integrations APPROVED
Sohil
12/12/2016 4:30:16 PM



TIC: BG025103.D

(89) Indeno(1,2,3-cd)pyrene

29.225min (+0.005) 20.65ng/ul m SJ 12/13/16

response 1281339

Ion	Exp%	Act%
276.00	100	100
138.00	10.30	9.64
277.00	23.30	23.55
0.00	0.00	0.00

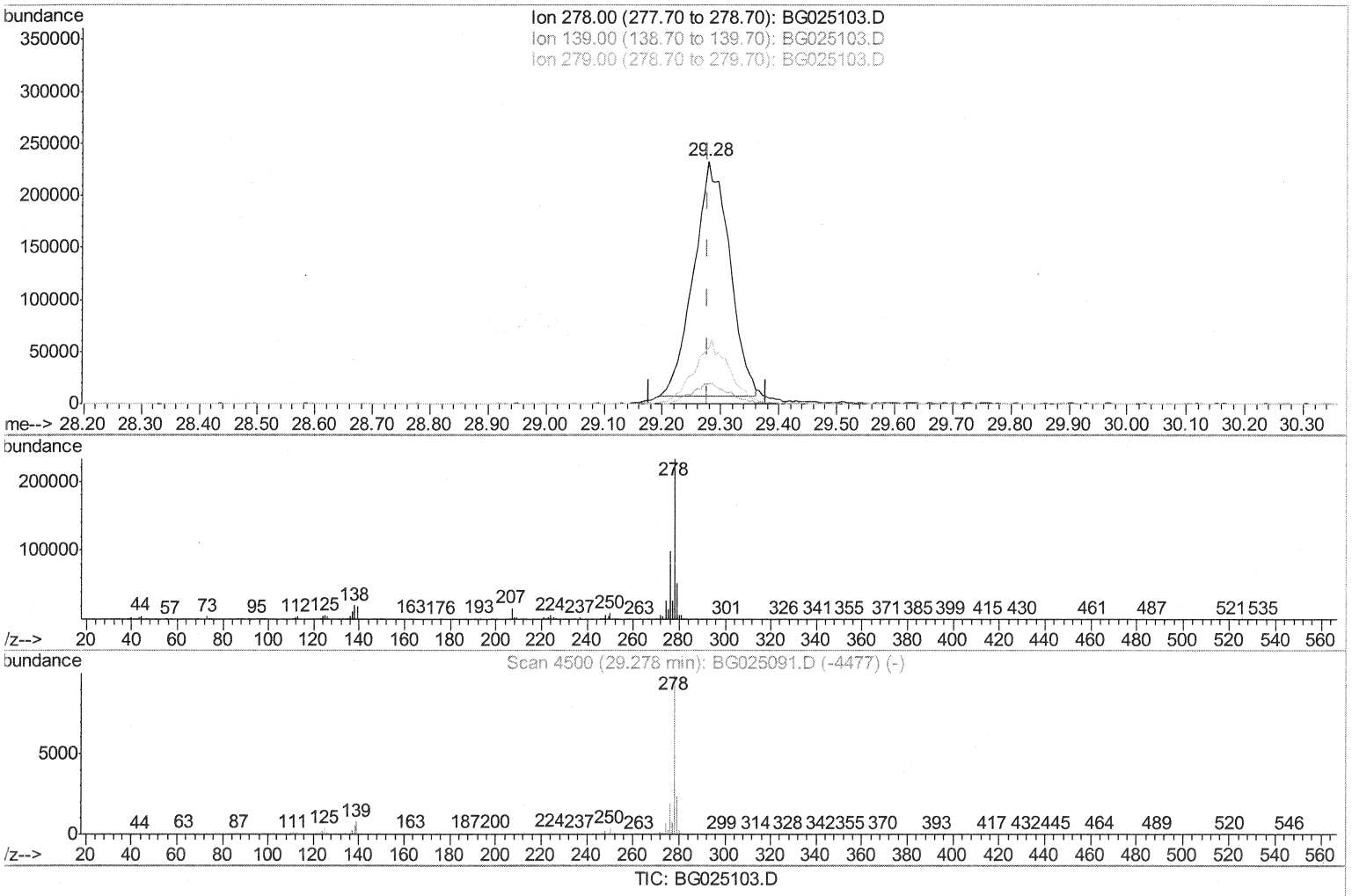
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\Data\BG121016\
Data File : BG025103.D
Acq On : 11 Dec 2016 14:13
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 12 06:41:23 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 12 06:35:19 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02029

Manual Integrations APPROVED
Sohil
12/12/2016 4:30:16 PM



(90) Dibenzo(a,h)anthracene

29.278min (-0.001) 18.45ng/ul

response 964869

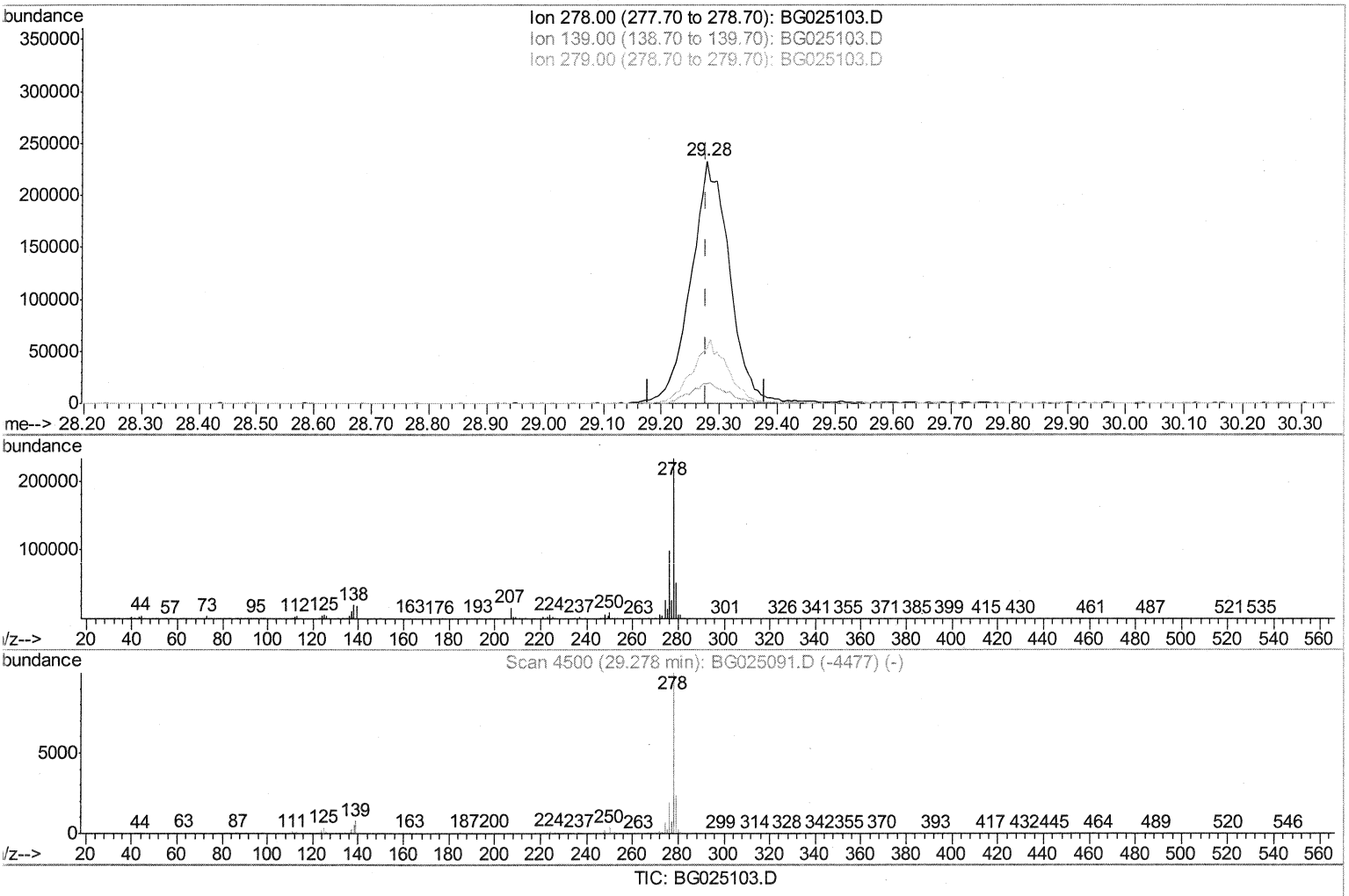
Ion	Exp%	Act%
278.00	100	100
139.00	8.40	8.25
279.00	26.10	22.93
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\Data\BG121016\
Data File : BG025103.D
Acq On : 11 Dec 2016 14:13
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 12 06:41:23 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 12 06:35:19 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02029

Manual Integrations APPROVED
Sohil
12/12/2016 4:30:16 PM



TIC: BG025103.D

(90) Dibenzo(a,h)anthracene

29.278min (-0.001) 20.46ng/ul m SJ 12/13/16

response 1070006

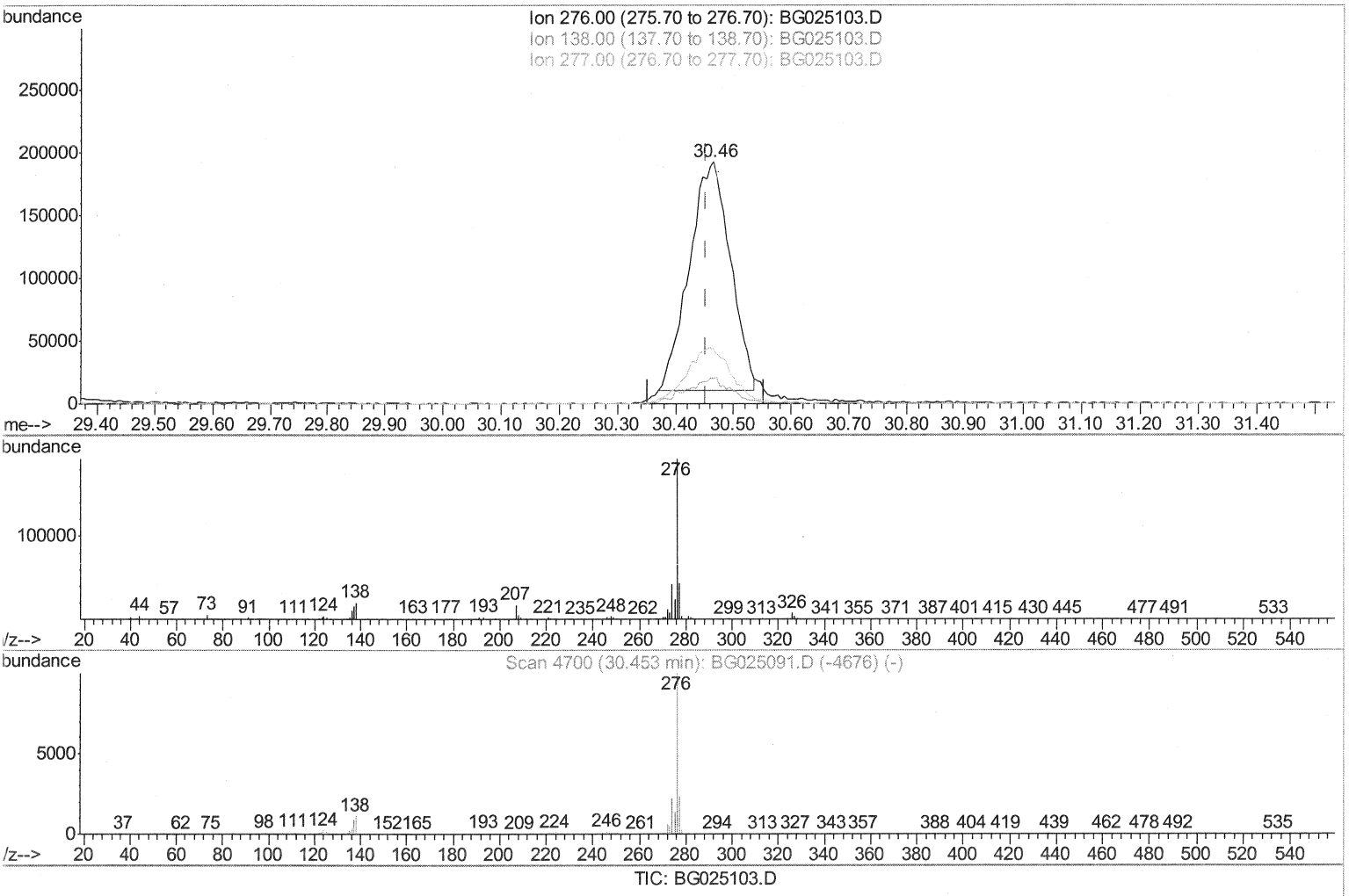
Ion	Exp%	Act%
278.00	100	100
139.00	8.40	8.25
279.00	26.10	22.93
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\Data\BG121016\
Data File : BG025103.D
Acq On : 11 Dec 2016 14:13
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 12 06:41:23 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 12 06:35:19 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02029

Manual Integrations APPROVED
Sohil
12/12/2016 4:30:16 PM



TIC: BG025103.D

(91) Benzo(g,h,i)perylene

30.465min (+0.011) 17.32ng/ul

response 897251

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	10.67
277.00	22.00	22.93
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\Data\BG121016\
Data File : BG025103.D
Acq On : 11 Dec 2016 14:13
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 12 06:41:23 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 12 06:35:19 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02029

Manual Integrations APPROVED
Sohil
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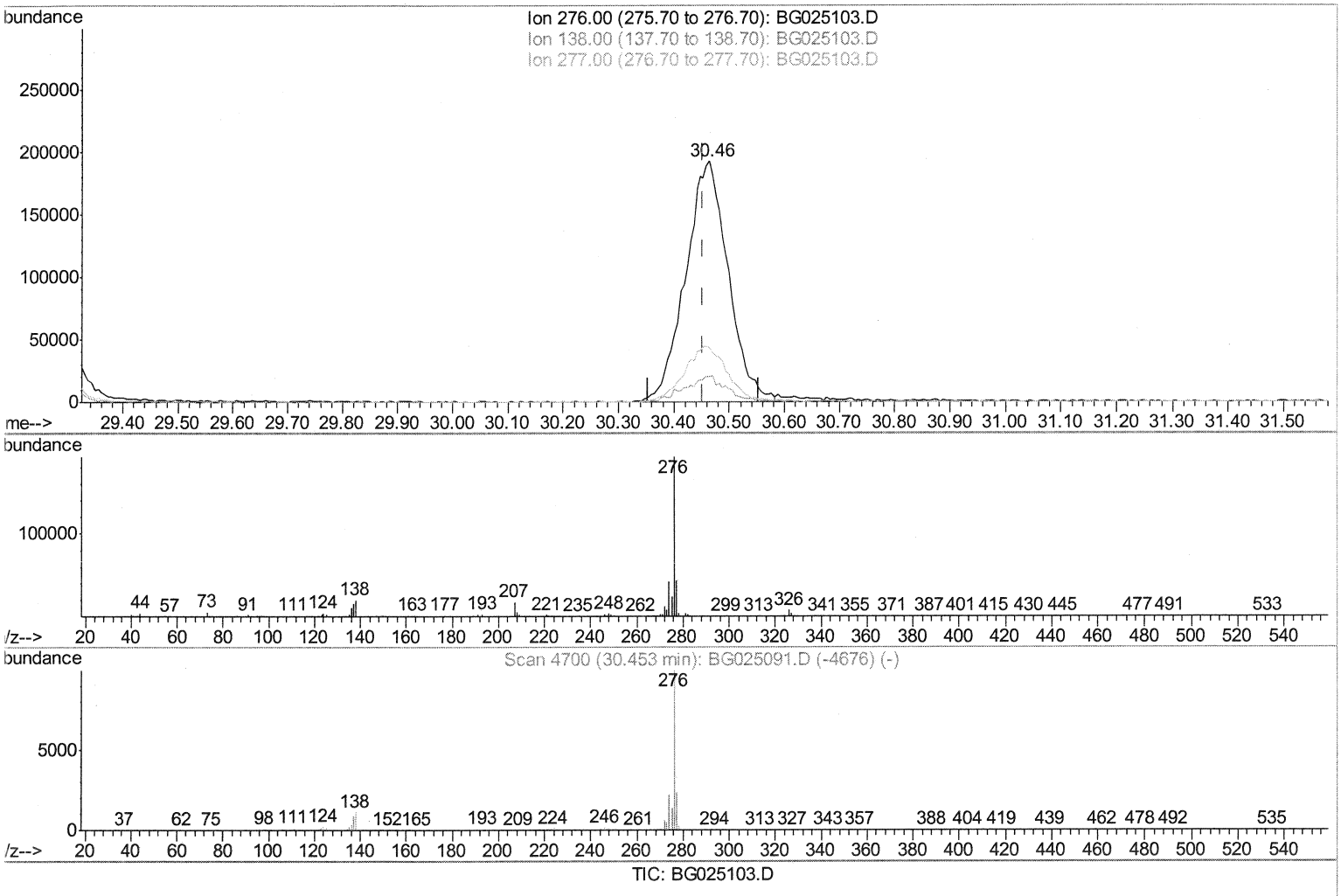

TIC: BG025103.D

(91) Benzo(g,h,i)perylene

30.465min (+0.011) 20.10ng/ul m SJ 12/13/16

response 1040803

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	10.67
277.00	22.00	22.93
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\Data\BG121016\
Data File : BG025103.D
Acq On : 11 Dec 2016 14:13
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 12 08:16:39 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 12 06:35:19 2016
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Instrument : BNA_G
LabSampleId : SSTD02029

Manual Integrations APPROVED
Sohil
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.24	152	123081	20.00	ng/ul	0.00
18) Naphthalene-d8	11.06	136	460982	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	369970	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.60	188	848600	20.00	ng/ul	0.00
75) Chrysene-d12	21.89	240	1009926	20.00	ng/ul	0.00
83) Perylene-d12	25.31	264	1047324	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.59	96	18154	7.62	ng/uL	0.00
5) Phenol-d5	7.38	99	193788	18.25	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.55	67	121190	18.45	ng/ul	0.00
9) 2-Chlorophenol-d4	7.76	132	136976	18.45	ng/ul	0.00
13) 4-Methylphenol-d8	8.94	113	171996	19.38	ng/ul	0.00
19) Nitrobenzene-d5	9.41	128	70537	21.61	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	83831	20.60	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.68	165	165403	21.13	ng/ul	0.00
29) 4-Chloroaniline-d4	11.20	131	187307	24.35	ng/ul	0.00
43) Dimethylphthalate-d6	14.25	166	482073	18.94	ng/ul	0.00
46) Acenaphthylene-d8	14.55	160	578507	20.75	ng/ul	0.00
51) 4-Nitrophenol-d4	15.05	143	86061	19.68	ng/ul	0.00
57) Fluorene-d10	15.84	176	469550	19.60	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.96	200	102674	19.57	ng/ul	0.00
70) Anthracene-d10	17.70	188	727611	20.31	ng/ul	0.00
76) Pyrene-d10	19.97	212	877638	21.10	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.06	264	890612	20.99	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.63	88	20978	6.76	ng/uL#	81
4) Benzaldehyde	7.37	77	146898	18.38	ng/ul	95
6) Phenol	7.41	94	194497	17.85	ng/ul	93
8) Bis(2-Chloroethyl)ether	7.64	93	135766	17.02	ng/ul	98
10) 2-Chlorophenol	7.80	128	132535	17.75	ng/ul	91
11) 2-Methylphenol	8.67	108	158675	19.77	ng/ul	89
12) 2,2'-oxybis(1-Chloropropan	8.76	45	298376	22.00	ng/ul	98
14) Acetophenone	9.07	105	241023	17.85	ng/ul	95
15) N-Nitroso-di-n-propylamine	9.04	70	146376	18.77	ng/ul	97
16) 4-Methylphenol	9.00	108	178344	19.98	ng/ul	89
17) Hexachloroethane	9.32	117	63478	19.19	ng/ul	95
20) Nitrobenzene	9.46	77	226939	22.62	ng/ul	92
21) Isophorone	9.97	82	402248	21.19	ng/ul	96
23) 2-Nitrophenol	10.18	139	85203	20.64	ng/ul#	86
24) 2,4-Dimethylphenol	10.22	107	198328	21.01	ng/ul	95
25) Bis(2-Chloroethoxy)methane	10.45	93	188734	19.51	ng/ul	97
27) 2,4-Dichlorophenol	10.71	162	157880	20.78	ng/ul	96
28) Naphthalene	11.12	128	425461	19.85	ng/ul	99
30) 4-Chloroaniline	11.22	127	183687	23.36	ng/ul#	84
31) Hexachlorobutadiene	11.38	225	126348	19.34	ng/ul	97
32) Caprolactam	11.99	113	54476	17.26	ng/ul	88
33) 4-Chloro-3-methylphenol	12.33	107	193728	20.68	ng/ul	97
34) 2-Methylnaphthalene	12.70	142	323764	19.15	ng/ul	96

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Manual Integrations APPROVED
Sohil
12/12/2016 4:30:16 PM

Quant Time: Dec 12 08:16:39 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 12 06:35:19 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	13.06	216	233782	20.96 ng/ul	93
37) Hexachlorocyclopentadiene	13.03	237	99727	15.24 ng/ul#	92
38) 2,4,6-Trichlorophenol	13.30	196	146814	20.96 ng/ul	91
39) 2,4,5-Trichlorophenol	13.37	196	163806	21.34 ng/ul	92
40) 1,1'-Biphenyl	13.69	154	461750	20.59 ng/ul	97
41) 2-Chloronaphthalene	13.74	162	362577	20.31 ng/ul	96
42) 2-Nitroaniline	13.95	65	159870	22.87 ng/ul	96
44) Dimethylphthalate	14.30	163	493753	19.74 ng/ul	97
45) 2,6-Dinitrotoluene	14.44	165	105179	19.57 ng/ul	95
47) Acenaphthylene	14.58	152	551009	20.33 ng/ul	99
48) 3-Nitroaniline	14.77	138	108083	23.22 ng/ul#	92
49) Acenaphthene	14.92	153	383240	20.64 ng/ul	100
50) 2,4-Dinitrophenol	14.98	184	63634	18.22 ng/ul	95
52) 4-Nitrophenol	15.06	109	109918	20.89 ng/ul	85
53) Dibenzofuran	15.25	168	586062	19.96 ng/ul	99
54) 2,4-Dinitrotoluene	15.22	165	166105	20.51 ng/ul#	88
55) 2,3,4,6-Tetrachlorophenol	15.48	232	166320	20.50 ng/ul	97
56) Diethylphthalate	15.65	149	503116	19.00 ng/ul	94
58) Fluorene	15.90	166	472643	19.77 ng/ul	98
59) 4-Chlorophenyl-phenylether	15.88	204	261235	19.41 ng/ul	89
60) 4-Nitroaniline	15.93	138	111286	19.83 ng/ul	98
63) 4,6-Dinitro-2-methylphenol	15.98	198	109731	20.19 ng/ul#	97
64) N-Nitrosodiphenylamine	16.10	169	451201	20.67 ng/ul	97
65) 4-Bromophenyl-phenylether	16.78	248	194969	20.34 ng/ul	95
66) Hexachlorobenzene	16.90	284	217343	20.14 ng/ul	97
67) Atrazine	17.03	200	203857	19.64 ng/ul	97
68) Pentachlorophenol	17.24	266	128680	19.86 ng/ul	94
69) Phenanthrene	17.64	178	832513	20.55 ng/ul	97
71) Anthracene	17.73	178	844204	20.27 ng/ul	99
72) Carbazole	18.00	167	733807	21.12 ng/ul	98
73) Di-n-butylphthalate	18.53	149	885685	20.19 ng/ul	99
74) Fluoranthene	19.64	202	1024847	21.29 ng/ul	98
77) Pyrene	20.00	202	1019541	21.00 ng/ul	98
78) Butylbenzylphthalate	20.85	149	418509	22.02 ng/ul	96
79) 3,3'-Dichlorobenzidine	21.77	252	408629	23.21 ng/ul	98
80) Benzo(a)anthracene	21.87	228	1095552	20.88 ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.72	149	566890	21.67 ng/ul	99
82) Chrysene	21.94	228	1023955	20.86 ng/ul	99
84) Di-n-octyl phthalate	22.99	149	982096	23.10 ng/ul	100
85) Benzo(b)fluoranthene	24.21	252	1066218	20.53 ng/ul	97
86) Benzo(k)fluoranthene	24.28	252	1026246	20.79 ng/ul	97
88) Benzo(a)pyrene	25.14	252	1031387	20.65 ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	29.22	276	1281339m	20.65 ng/ul	
90) Dibenzo(a,h)anthracene	29.28	278	1070006m	20.46 ng/ul	
91) Benzo(g,h,i)perylene	30.46	276	1040803m	20.10 ng/ul	

SJ 12/13/16

(#) = qualifier out of range (m) = manual integration (+) = signals summed